



Repeater: NØDX 145.190 MHz (Input 144.590 / Tone 192.8 Hz)


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[Newsletter](#)
[E. Iowa DX Bulletin](#)
[Buy-Sell-Trade](#)
[DXCC Card Checking](#)
[About EIDXA](#)
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[Constitution & Bylaws](#)
[DX Resources](#)

The Eastern Iowa DX Bulletin

Number 216, April 5, 2024

Craig Fastenow, KØCF, Editor

This bulletin is a compilation of **currently active** DX operations (or those that will become active within the current week) from recent issues of the three DX bulletins listed below and other sources. Credit for the source is given at the end of each article.

Articles are ordered by the entity's callsign prefix from the *ARRL DXCC Entities List*. Callsigns used are in **bold** with dates of operation highlighted in **red**. Clickable links are provided for QSL and other information wherever possible. Note that articles may be edited for grammar, language, style and accuracy and will remain in *The Bulletin* while active; articles that are announcements of ongoing operations, or that have no specified end date, will be removed after three weeks.

Also included is a [Propagation](#) section, updated daily; and a [Contest Calendar](#) of upcoming popular contests.

DX News items are courtesy of:

The ARRL DX Bulletin

The bulletin is available at <http://www.arrl.org>

425 DX News, A.R.I. DX Bulletin (425DXN)

Edited by Mauro Pregliasco, I1JQJ & Valeria Pregliasco, IK1ADH

425 DX News Home Page: <https://www.425dxn.org/>

425 DX News Google Group: <https://groups.google.com/g/425eng>

DX Newsletter (DXNL)

Edited by Andreas Salder, DK5ON

A weekly service of DARC Committee "DX", <http://www.darcdxhf.de>

Propagation data is from:

National Oceanic and Atmospheric Administration's

[Space Weather Prediction Center](#)

Dr. Tony Phillips' SpaceWeather.com, used by permission

Contest data courtesy of the [WA7BNM Contest Calendar](#)



Solar-Terrestrial Data

08 Apr 2024 2357 GMT
 SFI: 124 SN: 79
 A-Index: 8
 K-Index: 0
 X-Ray: B3.4
 304Å: 138.4 @ SEM
 Ptn Flx: 12
 Elc Flx: 2050
 Aurora: 1/n=1.99
 Mag (Bz): 1.1
 Solar Wind: 349.6
 Geomag Field INACTIVE
 Sig Noise Lvl S0-S1
 Current Solar Image



<http://www.n0nbh.com>
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DX News

3B8, MAURITIUS. Johann, DM7CW is QRV as **3B8/DM7CW** from Condos Quatre Bornes **until April 10th**. Activity is on 40 to 10 meters using CW, SSB, and various digital modes. QSL via LoTW.

-[ARRL DX Bulletin # 13 March 28, 2024] (0329-0412)

3D2, FIJI. Dom, 3Z9DX is QRV as **3D2AJT** from Nadi **until April 30th**. QSL via [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 13 March 28, 2024] (0329-0503)

6W, SENEGAL. Willy, ON4AVT will be QRV as **6W7/ON4AVT** from Warang from **February 3rd to April 16th**. Activity is on 80 to 10 meters using SSB and various digital modes, and on Satellite QO-100. QSL to [ON4AVT](#), [ClubLog's OQRS](#).

-[ARRL DX Bulletin # 5 February 1, 2024] (0202-0419)

8Q, MALDIVES. Tev, TA1HZ will be active holiday style as **8Q7HZ** from the Maldives (AS-013) on **April 6th-15th**. He will operate SSB and FT8/FT4 on 30, 20, 17, 15, 12 and 10 meters. QSOs will also be uploaded to ClubLog and eQSL. QSL via LoTW or direct to [8Q7HZ](#).

-[425DXN # 1717 March 30, 2024] (0405-0419)

9M2, WEST MALAYSIA. In recognition of World Autism Awareness Day, special event station **9M4CSI** is QRV **until April 7th**. QSL via operators' instructions.

-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0412)

A6, UNITED ARAB EMIRATES. Special event callsign **A6ØWAAD** will be active on **April 1st-8th** for World Autism Awareness Day. QSL via [EA7FTR](#).

Also expect activity by **A6ØWAAD/Ø**, **A6ØWAAD/1**, etc. See <https://www.qrz.com/db/A6ØWAAD> for the QSL routes for the various suffix extensions.

-[425DXN # 1717 March 30, 2024] (0329-0412)

CARIBBEAN TOUR. Mike, DF8AN, tours the Caribbean according to the following schedule:

FS/DF8AN, ST. MARTIN, **March 29th-30th**

VP2V/DF8AN, BRITISH VIRGIN IS. **March 30th to April 5th**

V26MN, ANTIGUA & BARBUDA, **April 5th-9th**

VP2MMN, MONTserrat, **April 9th-17th**

V26MN, ANTIGUA & BARBUDA, **April 17th-19th**

QRV on 160-6m, mostly on FT8 (1839, 3570, 5357, 7056, 10133, 14095, 18097, 21095, 24925, 28095 kHz), some RTTY and CW. QSL via [DF8AN](#), no LoTW.

-[DXNL # 2399 March 27, 2024] (0329-0419)

DL, GERMANY. Celebrating World Amateur Radio Day, DARC special event callsign **DA24WARD** will be active on **April 1st-30th**. All QSOs will be confirmed automatically via the bureau; direct cards via [DL2VFR](#).

-[425DXN # 1717 March 30, 2024] (0329-0503)

DL, GERMANY. The special event callsign **DAØRC** will be active around the FunkTag 2024 exhibition. QRV **until April 27th** with the special DOK FTK24. Sending a card is not necessary, as there will be an automatic bureau service and confirmations via the DARC's DCL system. Direct cards go only via [DL2VFR](#).

-[DXNL # 2396 March 6, 2024] (0308-0426)

DL, GERMANY. DARC Team SES will be active as **DL75AFUG**, **DL75AFUV** and **DP75AFUG** from **March 1st until April 30th** to mark the 75th anniversary of the first Amateurfunkgesetz (AfuG), the German amateur radio regulations that came into force on March 23, 1949. A certificate will be available, see <https://www.qrz.com/db/DP75AFUG> for information. QSL automatically via the bureau, or direct to [DL2VFR](#).

-[425DXN # 1713 March 2, 2024] (0301-0426)

DXCC TOP TWENTY. Here are the top 20 entities on ClubLog's "DXCC Most Wanted" list as of April 5, 2024:

1. P5	DPRK (North Korea)	11. 3Y/B	Bouvet Island
2. BS7H	Scarborough Reef	12. ZS8	Prince Edward & Marion Islands
3. CEØX	San Felix Islands	13. KH4	Midway Island
4. BV9P	Pratas Island	14. VKØM	Macquarie Island
5. KH7K	Kure Island	15. PYØS	Saint Peter And Paul Rocks
6. KH3	Johnston Island	16. KP5	Desecheo Island
7. FT/G	Glorioso Island	17. VPØS	South Sandwich Islands
8. 3Y/P	Peter 1 Island	18. KH5	Palmyra & Jarvis Islands

9. FT5/X Kerguelen Island 19. ZL9 New Zealand Subantarctic Islands
 10. YVØ Aves Island 20. FK/C Chesterfield Islands

For the complete list, see <https://clublog.org/mostwanted.php>

-[KØCF April 5, 2024] (0405-0419)

E5/S, SOUTH COOK IS. Tom, K7TLM and Leslie, KD7YZE will be active as **E51TLM** from Rarotonga (OC-013), South Cook Islands on **April 7th-13th**. They will operate QRP on 10 meters SSB (28385 kHz) and slow CW (28060 kHz) typically between 1900 and 0100 UTC. QSL via [K7TLM](#), and maybe LoTW at a later stage.

-[425DXN # 1717 March 30, 2024] (0405-0412)

EA, SPAIN. The Union de Radioaficionados Espanoles, Spain's IARU member society, was founded on April 1, 1949. Celebrating URE's 75th anniversary, a month-long activity will take place from **April 1st to 30th**. Look for AO75URE and 18 other special stations representing the Autonomous Communities and Autonomous Cities of the country:

AO75AN Andalucia	AO75GA Galicia
AO75AR Aragon	AO75IB Islas Baleares, EA6
AO75CA Cantabria	AO75IC Islas Canarias, EA8
AO75CL Castilla y Leon	AO75LR La Rioja
AO75CM Castilla-La Mancha	AO75MA Madrid
AO75CT Cataluna	AO75MC Melilla and Ceuta, EA9
AO75CV Comunidad Valenciana	AO75MU Murcia
AO75EU Euskadi i.e. Basque Country	AO75NA Navarra
AO75EX Extremadura	AO75PA Principado de Asturias

In addition, **CQ75URE** will be active from Portugal. A large number of awards will be available: see <https://75aniversario.ure.es> for detailed information, log search and OQRS (to be activated after April 30).

-[425DXN # 1716 March 23, 2024] (0329-0503)

EL, LIBERIA. The Czech DXpedition Group (OK1BOA, OK1CRM, OK1FCJ, OK1GK, OK2ZA, OK2ZC, OK2ZI and OK6DJ) will be active as **A8OK** from Liberia from **April 5th to 19th**, with "full operation" expected on April 9th-16th. They will operate SSB, CW and digital modes (RTTY, FT8, FT4, PSK) with several stations on 160-6 meters and via satellite.

Subject to Internet availability, they will use ClubLog's Livestream. See

<https://www.cdpx.cz/> and bookmark

<https://www.facebook.com/groups/1472348776313779> for more information and updates. QSL via LoTW, [ClubLog's OQRS](#), or via [OK6DJ](#).

-[425DXN # 1713 March 2, 2024] (0405-0419)

ER, MOLDOVA. Special callsign **ER3ØARM** celebrates the 30th anniversary of the Amateur Radio Society of Moldova (ER1KAA). Look for activity from March 20th to April 30th. QSL via the bureau, direct to [ER3ØARM](#), and LoTW.

-[425DXN # 1716 March 23, 2024] (0322-0503)

EX, KYRGYZSTAN. Bob, DU7ET is currently QRV as **EXØET**. Activity is on 40 to 10 meters, and possibly 160 meters, using mostly CW. QSL direct to [DU7ET](#).

-[ARRL DX Bulletin # 12 March 21, 2024] (0322-0412)

FG, GUADELOUPE. Bert, FG8OJ and Jean-Luc, F1ULQ are QRV as **TO1Q** from Sainte-Anne **until April 8th**. Activity is on 80 to 6 meters, including some Satellite activity. They will be a Multi Op/Single Band on 10 meter entry in the CQ WW WPX SSB Contest (March 30th-31st). QSL via [F1ULQ](#), LoTW.

-[ARRL DX Bulletin # 13 March 28, 2024] (0329-0412)

FH, MAYOTTE. Marek, FH4VVK will be active as **TO4VV** from Pamandzi, Mayotte (AF-027) on **March 23rd-31st**, and again on **April 6th-7th, 13th-14th** and **20th-21st**. QSL via [ClubLog's OQRS](#) and LoTW.

-[425DXN # 1714 March 9, 2024] (0322-0426)

FR, REUNION I. Giovanni, IZ2DPX will be QRV from **April 7th to 18th** as **TO7PX**. Look for him using SSB and FT8 on 40, 30, 20, 17, 15, 12, 10 and 6 Meters. QSL via [IK2DUW](#).
-[ARRL DX Bulletin # 11 March 14, 2024] (0405-0419)

FY, FRENCH GUIANA. Operators at club station FY5KE are QRV as **TO6ØCSG** each weekend in April, May, and June to celebrate the 60th anniversary of the Guiana Space Centre. See detailed information at [TO6ØCSG](#). QSL direct to [FY5KE](#).
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0630)

H4, SOLOMON IS. Bernhard, DL2GAC will be active again as **H44MS** from Malaita (OC-047), Solomon Islands from around **February 10th until April 25th**. He will be QRV daily, with activity on 160-6 meters SSB and some FT8. He will upload his log to ClubLog and LoTW. QSL via [DL2GAC](#), direct or bureau.
-[425DXN # 1707 January 20, 2024] (0209-0426)

HB, SWITZERLAND. Special callsign **HB5ØVC** celebrates the 50th anniversary of the Radio Amateur Club Swissair (HB9VC) from **March 18th to December 31st**. QSOs will be uploaded to LoTW; QSL cards will not be provided, but a certificate will be available for download: <https://award.dl1run.de/award/hb50vc/awardform.html>
-[425DXN # 1717 March 30, 2024] (0329-0419)

HBØ, LIECHTENSTEIN. Anne, OH2YL, will be active from Liechtenstein from **April 6th to 13th** as **HBØ/OH2YL** on 160-10m, including 60m, on CW and FT8. QSL via [OH2YL](#).
-[DXNL # 2400 April 3, 2024] (0405-0412)

HI, DOMINICAN REPUBLIC. In recognition of World Autism Awareness Day, special event station **HI8AUT** is QRV **until April 7th**. QSL via operators' instructions.
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0412)

HI, DOMINICAN REPUBLIC. Jean, VA2VKG, will be active as **HI8/VA2VKG** from **March 15th until April 12th** on 40, 20, and 10m (CW, SSB). QSL via [VA2VKG](#).
-[DXNL # 2397 March 13, 2024] (0315-0412)

HI, DOMINICAN REPUBLIC. Special callsign **HI18ØRD** celebrates the 180th anniversary since the Dominican Republic declared its independence from Haiti (February 27, 1844). Look for activity on all bands and modes beginning **February 27th until April 30th**. Some 25 operators from five radio clubs will be part of the event. A certificate will be available, see <https://independencia2024.org/> for information.
-[425DXN # 1713 March 2, 2024] (0301-0503)

I, ITALY. Special callsign **II1GM** will be used on **April 1st-30th** to celebrate the 150th anniversary of the birth of Guglielmo Marconi. Various operators will be QRV from different call areas (e.g. **II1GM/1**, **II1GM/2**, **II1GM/ISØ**, **II1GM/IT9**, etc.). See <https://www.qrz.com/db/II1GM> for more information. QSL via eQSL, or direct to [IK1VHX](#).
-[425DXN # 1717 March 30, 2024] (0329-0503)

I, ITALY. Launched in 1904, the "Elettra" was a two-masted steam yacht that Guglielmo Marconi used as a floating laboratory. Members of ARI Loano (IQ1LA) & Marconi Club will be active as **IY1EY** on **April 1st-14th** to memorialize the experiments conducted in the Ligurian Sea between 1919 and 1936. QSL via [IQ1LA](#).
-[425DXN # 1716 March 23, 2024] (0329-0419)

I, ITALY. Members of ARI Venezia (IQ3VE) will be active as **IR3POLO** from **April 1st to June 30th**. The special callsign commemorates the 700th anniversary since the death of Marco Polo, the Venetian merchant and explorer who travelled through Asia along the Silk Road (1271-1295). All QSOs will be confirmed automatically via the bureau.
-[425DXN # 1716 March 23, 2024] (0329-0630)

I, ITALY. Special callsign **II4CLM** will be active on **April 1st-30th** in celebration of the 150th anniversary of the birth of Guglielmo Marconi. Joining the celebrations will be **IY4FGM** (the amateur radio station at the Guglielmo Marconi Foundation) and the club stations of the 17 ARI branches in the Emilia-Romagna region (namely **IQ4AD, IQ4AX, IQ4BQ, IQ4DJ, IQ4FA, IQ4FC, IQ4FD, IQ4FE, IQ4FH, IQ4FJ, IQ4HI, IQ4LH, IQ4PI, IQ4RA, IQ4RE, IQ4RN** and **IQ4SC**). Further information, including real time log search, can be found on <https://www.150marconi.org/>. QSL via the bureau.
-[425DXN # 1715 March 16, 2024] (0329-0503)

I, ITALY. Members of ARI Sondrio (IQ2UL) will operate special event station **II2AUT** from **March 25th to May 7th** for the World Autism Awareness Day. Back in 2007 the United Nations General Assembly declared April 2nd as World Autism Awareness Day to highlight the need to help improve the quality of life of autistic individuals so they can lead full and meaningful lives as an integral part of society. QSOs will be uploaded to ClubLog. QSL via the bureau and eQSL.
-[425DXN # 1715 March 16, 2024] (0322-0510)

KH6, HAWAII. In recognition of World Autism Awareness Day, special event station **W2A/KH6** is QRV **until April 7th**. QSL via operators' instructions.
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0412)

KL7, ALASKA. In recognition of World Autism Awareness Day, special event station **W2A/KL7** is QRV **until April 7th**. QSL via operators' instructions.
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0412)

OK, CZECH REPUBLIC. In celebration of World Amateur Radio Day (April 18th), Martin, OK1RR and Slavek, OK1TN will be active as **OL1WARD** on **April 1st-30th**. They will operate CW only on the HF bands. QSL via LoTW; paper cards will not be available.
-[425DXN # 1715 March 16, 2024] (0329-0503)

ON, BELGIUM. Special event stations **OR24WARD** and **OP24WARD** will be active on all bands and modes on **April 1st-30th** in celebration of World Amateur Radio Day (April 18th). A certificate will be available, see <https://www.uba.be/en/hf/awards/uba-awards>. QSL via [ClubLog's OQRS](#), or via eQSL.
-[425DXN # 1715 March 16, 2024] (0329-0503)

OZ, DENMARK. In celebration of World Amateur Radio Day, a number of Danish stations will be signing **SPØWARD/xx** with different suffix extensions **on April 18th**. An award will be available, see <https://www.grz.com/db/5p0ward> for information. QSL via [ClubLog's OQRS](#) and LoTW, or via [OZ1ACB](#).
-[425DXN # 1717 March 30, 2024] (0412-0419)

PA, NETHERLANDS. To mark the 75th anniversary of the North Atlantic Treaty Organization (April 4, 1949), special event stations **PA75OTAN** and **PA75NATO** will be active on **April 1st-19th** and **April 20th-21st**, respectively. A certificate will be available, see <https://www.grz.com/db/PA75NATO> for information. QSLs via [ClubLog's OQRS](#), LoTW, eQSL, or via the bureau.

Additionally, during the weekend of **April 20th-21st**, several other special stations are expected to be QRV from various Cold War locations in the Netherlands: **PA6KLD, PA75BBGB, PA75GOLF, PA75HS, PA75KLE, PA75KOC, PA75NAVO, PA75NN, PA75NSG, PA75PARE, PA75PBV, PA75YP, PC75NAVO, PD75SAS, PE75NATO, PG75NAVO** and **PH75NATO**. (<https://pa60cuba.nl/pa75navo-zendstations/>).
-[425DXN # 1717 March 30, 2024] (0329-0426)

PA, NETHERLANDS. Laurens, PF3X and Barry, PC1K will be active as **PA24WAAD** from **March 23rd to April 7th** for the World Autism Awareness Day. QSL via [ClubLog's OQRS](#) and LoTW.
-[425DXN # 1716 March 23, 2024] (0322-0412)

SØ, WESTERN SAHARA. Station **SØ1WS** has been active on 10 meters using CW around 1730 to 1800z, and then later on 12 meters using SSB. QSL via [ClubLog's OQRS](#).
-[ARRL DX Bulletin # 12 March 21, 2024] (0322-0412)

S7, SEYCHELLES. In recognition of World Autism Awareness Day, special event station **S76A** is QRV **until April 7th**. QSL via operators' instructions.
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0412)

T5, SOMALIA. Alex, IT9HRK is QRV as **T5/IT9HRK** from Mogadishu. Activity is on 80 to 10 meters using all modes. **His length of stay is unknown**. QSL via operators' instructions.
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0426)

TA, TURKEY. In celebration of World Amateur Radio Day, members of TRAC Izmir will be active as **TC3WRD** from **April 1st to 30th**. A certificate will be available, see <https://tadx.org/awards>. QSL via LoTW.
-[425DXN # 1717 March 30, 2024] (0329-0503)

TI, COSTA RICA. Reiner, DL2AAZ, operates holiday-style from **April 5th to 20th** as **TI2/DL2AAZ** on 40-10m (CW, SSB). QSL via [DL2AAZ](#).
-[DXNL # 2400 April 3, 2024] (0405-0426)

V2, ANTIGUA & BARBUDA. Michael, DF8AN is QRV as **V26MN** from Antigua (NA-100) **until April 9th**. Activity is on the HF bands using mostly FT8 and FT4, with some CW and RTTY. QSL to [DF8AN](#).
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0412)

VE, CANADA. Rikk, WE9G will be active as **WE9G/VYØ** from Iqaluit, Baffin Island (NA-047) on **April 11th-16th**. Depending on conditions, he will operate FT8, FT4 and SSB on 80-10 meters. QSL cards will not be provided, but QSOs will be uploaded to LoTW, ClubLog and eQSL.
-[425DXN # 1717 March 30, 2024] (0405-0419)

VE, CANADA. Celebrating the 100th anniversary of the Royal Canadian Air Force, from **April 1st to 30th** amateur radio operators across Canada will be operating special event stations with special call signs such as **VC3RCAF** and **VE3RCAF** (Ontario), **VC9RCAF** and **VE9RCAF** (New Brunswick), **VE2RCAF** (Quebec), **VE5RCAF** (Saskatchewan), **VE6RCAF** (Alberta), **VE7RCAF** (British Columbia), **VO1RCAF** (Newfoundland), **VY2RCAF** (Prince Edward Island). QSL via operators' instructions.
-[425DXN # 1717 March 30, 2024] (0329-0503)

VP2M, MONTSERRAT. After his Antigua activity, Michael, DF8AN will be QRV as **VP2MMN** from **April 9th to 17th**. QSL to [DF8AN](#).
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0419)

VP6, PITCAIRN I. Gerben PG5M will be active as **VP6G** from Pitcairn Island (OC-044) on **April 4th-14th**. He will operate CW and FT8 on 40-10 meters: "I will run two stations (if antenna situation permits), primarily CW and additionally FT8 using MSHV", he says. See <https://dx.to/vp6g/> for more information. QSL via [MØOXO's OQRS](#) and LoTW.
-[425DXN # 1711 February 17, 2024] (0329-0419)

XE, MEXICO. Jose Manuel, **XF3AB**, resides on Carmen Island (NA-135) and is active most nights on 40m and during weekends on 10m (SSB). QSL via [EA5GL](#).
-[DXNL # 2400 April 3, 2024] (0405-0426)

XE, MEXICO. Members of the Asociacion de Radio Aficionados de la Republica Mexicana will be QRV with special call sign **6D2SOL** from **April 7th to 9th** during the Great American Eclipse on April 8. QSL via [XE2M](#).
-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0412)

XW, LAOS. Vincent, **XW4KV** is QRV from Vang Vieng until June 1st. Lately he has been active on 15 meters using FT8 around 1100z. QSL via [F4BKV](#).

-[ARRL DX Bulletin # 12 March 21, 2024] (0322-0602)

YB, INDONESIA. In recognition of World Autism Awareness Day, special event station **8A2AAW** is QRV until April 7th. QSL via operators' instructions.

-[ARRL DX Bulletin # 14 April 4, 2024] (0405-0412)

YJ, VANUATU. Matt KØBBC, Luke VK3HJ, Chris VK3QB and Alan VK6CQ will be active as **YJØVK** from Efate (OC-035), Vanuatu from March 29th to April 11th. They will be QRV on 40-6 meters, with a focus on SSB and CW during the first week, while during the second week they will concentrate on CW and FT8. QSOs will be uploaded to ClubLog. Bookmark <https://www.qrz.com/db/YJØVK> for updates. QSL via [MØOXO's OQRS](#).

-[425DXN # 1711 February 17, 2024] (0329-0412)

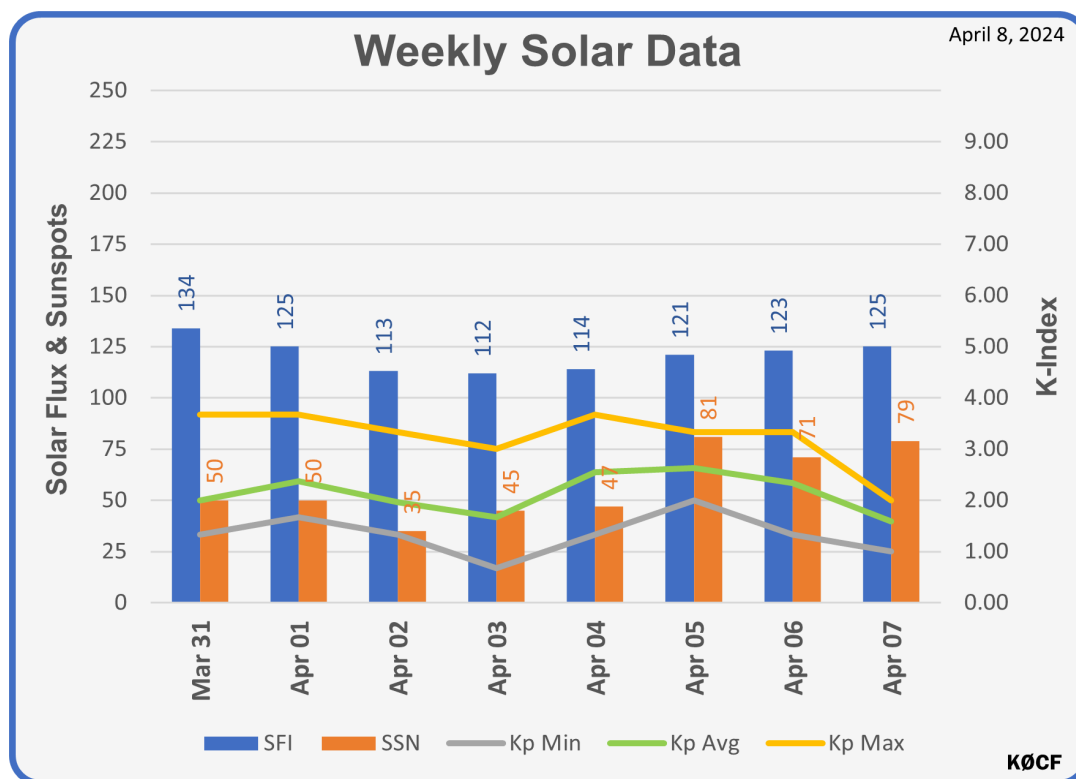
YO, ROMANIA. Celebrating the 95th anniversary of the first amateur radio association in Romania's Arad County, special call signs **YR95AR**, **YR95CC**, **YR95CH**, **YR95IN**, **YR95LI**, **YR95PE** and **YR95SE** will be active from February 16th until May 31st. The event is being organized by C.S. Radioclub Admira (YO2KBQ), the successor of the club that was established almost a century ago. See <https://www.qrz.com/db/YR95AR> for more information.

-[425DXN # 1711 February 17, 2024] (0216-0531)

YU, SERBIA. Organized amateur radio in Serbia began with the founding of the "Society of Friends of Radio Telegraphy and Radio Telephony" on July 15, 1924 in Belgrade. Celebrating 100 years of Amateur Radio in the region, the Amateur Radio Union of Serbia (YU1SRS) will be active as **YT1ØØR** and **YU1ØØR** from April 1st to December 1st. A certificate will be available: <https://www.radiosport.yu1srs.org.rs/>.

-[425DXN # 1718 April 6, 2024] (0405-0426)

Propagation (Updated daily)



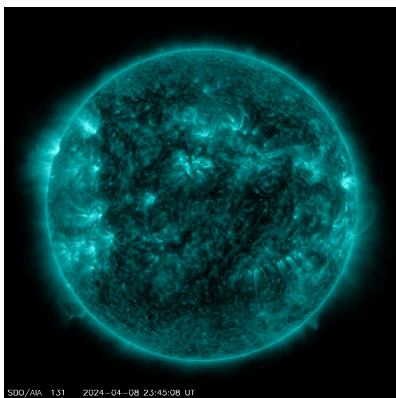
The Weekly Solar Data chart plots Solar Flux Index (SFI), Sunspot number (SSN) and Planetary K-Index (Kp) for the past 8 days. With 8 Planetary K-index readings each day, only the minimum, average and maximum K-index values are plotted. **Note:** You may click [here](#) or on the chart above to see the same data for the past month.

The Daily Solar Flux Index, Sunspot number, Planetary K-index, Solar Flux predictions and Solar Flare data used in this bulletin have been collected by KØCF from the U.S. Department of Commerce's NOAA Space Weather Prediction Center.

The propagation graphs above are the creations of KØCF and are unique in space weather reporting.

Please Note: The graphs are high resolution .PNG files which you may view in greater detail using your browser's "zoom" feature. Alternatively, right click on the graph and select "Open Image in New Tab" to enlarge it, or "Save Image As..." to save it to your computer for further analysis.

NASA's current view of the Sun at a wave-length of 131 Angstroms. This wavelength shows incredible solar detail.



Click [here](#) or on the image to view as a full screen 48-hour video loop. It is fascinating!

Propagation Summary

For the 8 day period from Sunday, March 31st through yesterday, April 7th.

The average solar flux was 119, down 46 points from the previous week, with a weekly high of 134 on Sunday, March 31st, followed by a low of 112 on April 3rd.

The average sunspot count was 58, down by 44 from last week, peaking at 81 on Friday, April 5th after a weekly low of 35 on April 2nd.

The Planetary K-index weekly average was 3.3 with a maximum of 3.7 on Thursday, April 4th, resulting in generally quiet geomagnetic conditions.

Solar flare activity since April 1st has been quiet with only 1 major flare, which was an M 3.9 event on Monday, April 1st.

Propagation Data

Major solar flares, Monday, April 1st through 1215 UTC, April 8th.

#	Date	UTC	Mag.
1	Apr 01	0132	M 3.9

(NOAA's graph of recent flare activity: [GOES-X-Ray-Flux](#))

From the NOAA Space Weather Prediction Center, here are the probabilities of major solar flares and the predicted 10.7 cm Solar Flux for the next 3 days. NOAA updates this information daily.

Date	M-Flares	X-Flares	Solar Flux
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Apr 8	5%	1%	125
Apr 9	10%	1%	128
Apr 10	10%	1%	125

Looking farther ahead, here is the NOAA Space Weather Prediction Center forecast of 10.7 cm radio flux and maximum Planetary K-index (Kp) for the next 12 days. This data is updated by NOAA every Monday (last updated on April 8, 2024).

Date	Flux	Kp
Apr 8	140	2
Apr 9	128	4
Apr 10	125	4
Apr 11	135	3

Date	Flux	Kp
Apr 12	145	2
Apr 13	145	2
Apr 14	140	3
Apr 15	135	3

Date	Flux	Kp
Apr 16	140	3
Apr 17	140	3
Apr 18	140	2
Apr 19	145	2

Sudden Quiet

Solar activity has dropped to low levels as the sun turns a nearly spotless hemisphere toward Earth. Since giant sunspot AR3615 departed last week, the sun's baseline X-ray output has decreased by about a factor of ten. No solar storms are predicted between now and the April 8th solar eclipse.

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Highs for Cycle 25

Solar Flux: 234 on January 15, 2023.

Sunspots: 227 on July 11, 2023.

Popular Propagation web sites

<https://prop.kc2g.com/> (Excellent Maximum Usable Frequency map)

NOAA <https://www.swpc.noaa.gov/>

<https://www.spaceweather.com/>

<https://www.solarham.net/>

<https://dx.qsl.net/propagation/>

A Propagation Tutorial

The solar X-ray flux tracks solar activity and solar flares. Solar flux, which can vary from as low as 50 to as high as 300, influences the level of ionization in the F2 region of the ionosphere, providing a very good prediction of HF DX conditions. The higher the solar flux, the better conditions will be for the higher HF frequencies and even 6 meters.

However, the levels need to be maintained for some days to allow ionization in the F2 layer to build up. A solar flux of 150 results in good HF band conditions, while levels of 200 and up can provide great conditions.

Large X-ray flares on the sun can increase the ionization of the D layer of the ionosphere (a lower layer) on the sunlit side of the Earth, greatly attenuating or blocking HF radio transmissions for up to a half hour. Solar flares often produce Coronal Mass Ejections (CMEs) which, if Earth directed, can lead to geomagnetic storms. Some large flares are also accompanied by strong radio bursts that may interfere with other radio frequencies and cause problems for satellite communication and radio navigation (GPS).

The Planetary K-index is a measure of the magnitude of geomagnetic storms and is an excellent indicator of disturbances in the Earth's magnetic field. A level of 1 or 2 represents quiet geomagnetic conditions; a reading of 3 or 4 may cause some propagation deterioration; 5 and 6 are minor to moderate geomagnetic storms; and 7 to 9 are strong, severe, and extreme storm conditions. Strong geomagnetic storms can

trigger Auroral displays and cause HF radio blackouts. Higher geomagnetic activity also has the adverse effect of lowering maximum usable frequencies, much like lower solar flux does.

For best conditions, the solar flux should be above 150 for a few days with the K index below 2. When these conditions are met, some good DX is likely!

-[Compiled from information on NOAA.gov and other sources]

Contest Calendar

Weekly Contests

Contest	Start UTC		End	Web Site
K1USN Slow Speed Test	Monday	0000Z	0100Z	Rules
ICWC Medium Speed Test	Monday	1300Z	1400Z	Rules
	Monday	1900Z	2000Z	
	Tuesday	0300Z	0400Z	
CWops Test (CWT)	Wednesday	1300Z	1400Z	Rules
	Wednesday	1900Z	2000Z	
	Thursday	0300Z	0400Z	
	Thursday	0700Z	0800Z	
Weekly RTTY Test	Friday	0145Z	0215Z	Rules
NCCC CW Sprint (NS)	Friday	0230Z	0300Z	Rules

Note: Start Days are in UTC, e.g. Monday at 0000 UTC is Sunday at 7:00 PM in the Central Daylight Saving Time zone, or Sunday at 6:00 PM in the Central Standard Time zone.

Full Calendar

Contest	Start		End		Web Site
Louisiana QSO Party	Apr 6	1400Z	Apr 7	0200Z	Rules
Missouri QSO Party	Apr 6	1400Z	Apr 7	0400Z	Rules
	Apr 7	1400Z	Apr 7	2000Z	
SP DX Contest	Apr 6	1500Z	Apr 7	1500Z	Rules
JIDX CW Contest	Apr 13	0700Z	Apr 14	1300Z	Rules
New Mexico QSO Party	Apr 13	1400Z	Apr 14	0200Z	Rules
Georgia QSO Party	Apr 13	1800Z	Apr 14	2359Z	Rules
Holyland DX Contest	Apr 19	2100Z	Apr 20	2100Z	Rules
YU DX Contest	Apr 20	0700Z	Apr 21	0659Z	Rules
CQMM DX Contest	Apr 20	0900Z	Apr 21	2359Z	Rules
Michigan QSO Party	Apr 20	1600Z	Apr 21	0400Z	Rules
Ontario QSO Party	Apr 20	1800Z	Apr 21	1800Z	Rules
ARRL Rookie Roundup, SSB	Apr 21	1800Z	Apr 21	2359Z	Rules

10-10 Int. Spring Contest, Digital	Apr 27	0001Z	Apr 28	2359Z	Rules
SP DX RTTY Contest	Apr 27	1200Z	Apr 28	1200Z	Rules
Helvetia Contest	Apr 27	1300Z	Apr 28	1259Z	Rules
Florida QSO Party	Apr 27	1600Z	Apr 28	2159Z	Rules
10-10 Int. Spring Contest, CW	May 4	0001Z	May 5	2359Z	Rules
7th Call Area QSO Party	May 4	1300Z	May 5	0700Z	Rules
Indiana QSO Party	May 4	1600Z	May 5	0400Z	Rules
Delaware QSO Party	May 4	1700Z	May 5	2359Z	Rules
New England QSO Party	May 4	2000Z	May 5	2400Z	Rules
CQ-M International DX Contest	May 11	1200Z	May 12	1159Z	Rules
His Maj. King of Spain Contest, CW	May 18	1200Z	May 19	1200Z	Rules
Arkansas QSO Party	May 18	1400Z	May 19	0200Z	Rules
Baltic Contest	May 18	2100Z	May 19	0200Z	Rules
CQ WW WPX Contest, CW	May 25	0000Z	May 26	2400Z	Rules
Kentucky QSO Party	Jun 1	1300Z	Jun 2	0100Z	Rules
ARRL Inter. Digital Contest	Jun 1	1800Z	Jun 2	2400Z	Rules
ARRL June VHF Contest	Jun 8	1800Z	Jun 10	0300Z	Rules
Stew Perry Topband Challenge	Jun 15	1500Z	Jun 16	1500Z	Rules
West Virginia QSO Party	Jun 15	1600Z	Jun 16	0400Z	Rules
ARRL Kids Day	Jun 15	1800Z	Jun 15	2359Z	Rules
His Maj. King of Spain Contest, SSB	Jun 22	1200Z	Jun 23	1200Z	Rules
Ukrainian DX DIGI Contest	Jun 22	1200Z	Jun 23	1200Z	Rules
ARRL Field Day	Jun 22	1800Z	Jun 23	2100Z	Rules
RAC Canada Day Contest	Jul 1	0000Z	Jul 1	2359Z	Rules

-[Contest data courtesy of the [WA7BNM Contest Calendar](#)]